Someone in my home has COVID. How do we isolate safely?

Articles, CO2 monitors, Featured, Filtration, Posts, Resources, Ventilation

When someone in your household needs to quarantine at home, you want them to be isolated from others as much as possible. Remember that the virus transmits predominantly through the air, so sanitizing surfaces is not enough.

See the PDF below for tips on how to reduce the risk of transmission from one household member to another.

How to set up an emergency isolation room inside a home or apartment for a suspected infected occupant. (archived PDF with permission from healthyheating.com as the site is down)

The Wayback Machine - https://web.archive.org/web/20231025224033/http://www.healthyheating.com/2021.COVID.Residential…

How to set up an emergency isolation room inside a home or apartment for a suspected infected occupant.

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See also: Simplified and Idealized Illustration of a Portable Fan/Filter (CR) Box in a Classroom

Revisions:
2022.01.24 added studio apartment example.

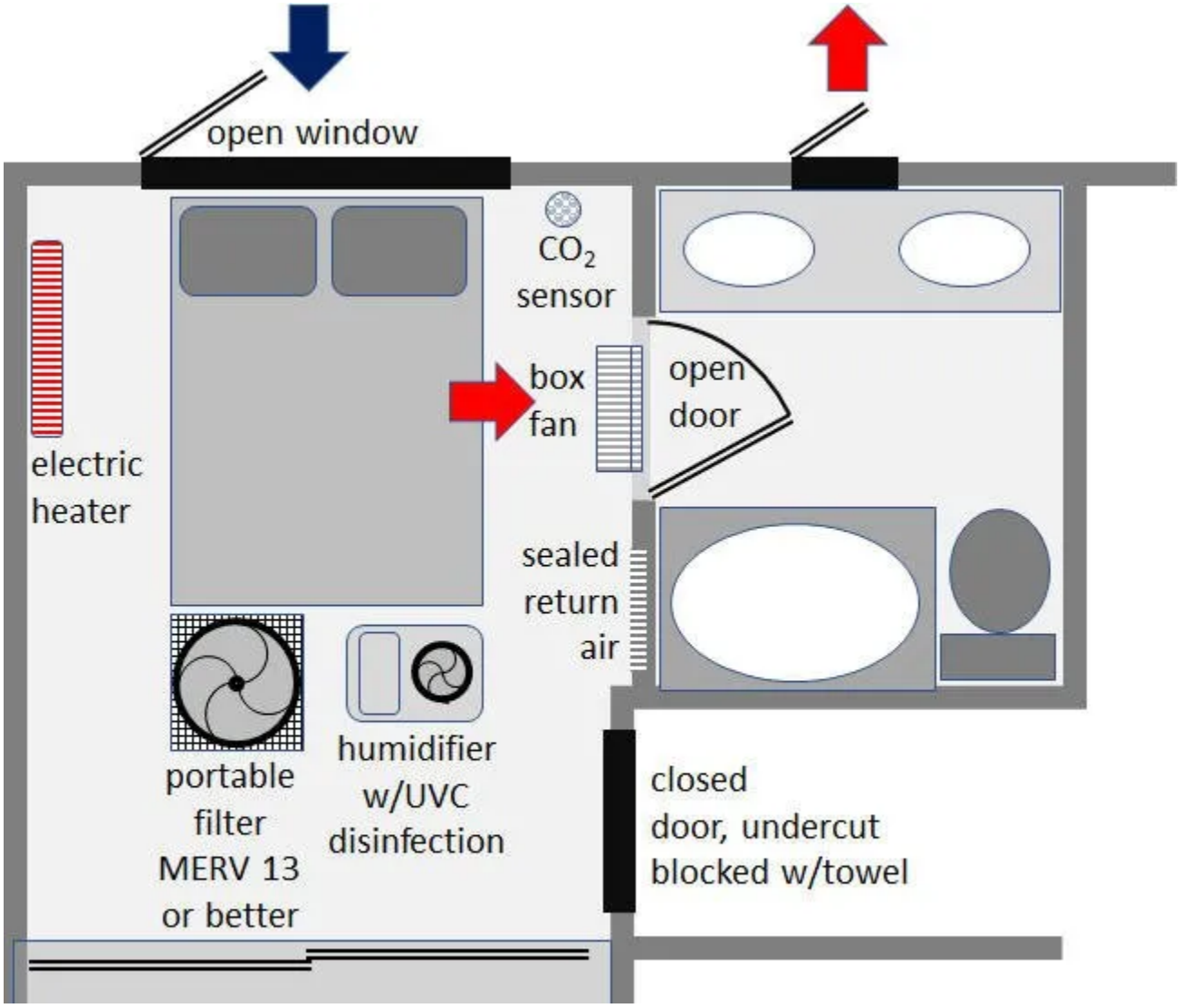
This is a triage approach and by no means implied to substitute the combined advice from a professional engineer and physician with experience in negative pressure rooms. There are many factors to consider in selecting the size of fans, filters and humidifiers. Consult a

professional for advice.

When occupying a home with persons quarantined (healthy people living with suspected infected person(s)) wear proper personal protective equipment. I know that might be difficult for some, but it is only for the prescribed time and that is short relative to a death or a lifetime of challenges (see resources at bottom of this page).

Note: due to the urgency of this bulletin, there may be spelling and grammatical errors...if butchering the English language drives you crazy to the extent that you won't read the advice - all I can say is - good luck.

healthyheating-archive-Residential-Isolation-Room-__-COVID-19 Download



And here is another variation written for readers in India

How to isolate at home if you have COVID-19 while keeping other members safe

https://www.thenewsminute.com/article/how-isolate-home-if-you-have-covid-19-while-keeping-other-members-safe-147416

See also how to build a high efficiency, low cost DIY air filter, the Corsi-Rosenthal Box.

Related links

NBC News: What to do if a family member tests positive? How to 'Covid-proof' your home. The best strategy for avoiding the Covid virus is to make indoor air as much like the outdoors as possible, experts say.

https://www.nbcnews.com/health/health-news/family-member-tests-positive-covid-proof-home-rcna29288

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Dr Alex Huffman's airborne aerosols spreadsheet

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Note: This is a growing collection of information, curated from the growing pool of COVID prevention resources created by various experts. It is a living document, and a work in progress. You can submit recommendations on our contact page or Twitter (preferred).

Please pardon any design flaws, as our priority is getting information to people as quickly as possible.

Disclaimer: This is a collection of resources based largely from experts in their fields. We cannot guarantee accuracy of all information presented or linked here, especially since conditions are always changing.

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